STORMVAULT BIOFILTRATION (SVBF)

NOTE 14

STORM WATER QUALITY DESIGN FLOW (SQDF)
XX.X-CFS

RETURN FREQUENCY / PERIOD OF PEAK DESIGN CONVEYANCE FLOW XX-YRS

SIERRA BLEND
BIO SOIL MEDIA* JENSEN'S

HYDRAULIC SURFACE
LOADING RATE (HSLR)

TREATMENT FLOW RATE & SIZED THE
THE ENTIRE
AT A 10
USING PUBLIC

ENGINEERED BIO MEDIA.

1. JENSEN'S BIOFILTRATION (SVBF) DESIGNED AND SIZED TO TREAT THE
2. CAPTURED WATER CONSTITUENTS:
• TOTAL SUSPENDED SOLIDS (TSS)
• PHOSPHORUS (P)
• DISSOLVED AND DISSOLVED OXYGEN (DO)
• GREASE
• FECAL COLIFORM

3. THE STORM DRAIN LINE SHALL BE MADE USING AN APPROVED CONNECTOR (TYP. ASTM C923) MADE BY KOR‐SEAL, LOK, OR APPROVED EQUAL AND SHALL BE WATERTIGHT.

4. VAULT DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C150.

5. ALL PRECAST CONCRETE COMPONENTS TO BE MANUFACTURED IN AN NQA CERTIFIED PLANT.

6. IF REQUIRED, JENSEN WILL ENSURE VAULT IS CLEAN, WASHED, FREED OF SUBSTANCE USED TO MANUFACTURE.

7. BRIDGING STONE SHALL BE CLEAN OR ADEQUATELY CLEANED.

8. ALL PVC PIPE SHALL CONFORM TO ASTM D3034 (SDR 41) PIPE.

9. DRAINAGE MATERIALS WHEN SPREAD IS REQUIRED TO BE BELOW THE BOTTOM OF PRECAST STRAINS, BE WORKED TO AQUEOUS CONDITIONS.


11. FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN STORMWATER SYSTEMS.

12. ALL CONCRETE COMPONENT THICKNESSES, DIMENSIONS, AND JOINT ORIENTATIONS MAY VARY ACROSS JENSEN PRECAST'S MANUFACTURING FACILITIES.

STORMVAULT BIOFILTRATION TREE WELL (-TW)

MODEL: SVBF-TW 10X20

STORM WATER QUALITY DESIGN FLOW (SQDF)
XX.X-CFS

STORM DRAIN DESIGN CONVEYANCE FLOW XX-YRS

TREATMENT FLOW RATE & SIZED THE
THE ENTIRE
AT A 10
USING JENSEN'S ENGINEERED SIERRA BLEND BIO SOIL MEDIA.

3" DEPTH OF RIPRAP/MULCH
18" DEPTH OF BIO SOIL MEDIA
3" DEPTH OF GROUT/MULCH
6" DEPTH OF BRIDGING STONE ABOVE UNDERDRAIN
4"-8" TV
6" PONDING DEPTH
0" DEPTH OF BIO SOIL MEDIA

SECTION A-A

KEEPER GRATE
3" 0 UNDERDRAIN SURROUNDED BY BRIDGING STONE

KEEPER GRATE
3" 0 UNDERDRAIN SURROUNDED BY BRIDGING STONE

4½" TV
10½" DEPTH OF RIPRAP/MULCH
18" DEPTH OF BIO SOIL MEDIA

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